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PCT

FORM PTO-1390
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

12319

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

To be assigned **10/018310**

INTERNATIONAL APPLICATION NO.

PCT/DE00/01337

INTERNATIONAL FILING DATE

28-Apr-2000

PRIORITY DATE CLAIMED

30-Apr-1999

TITLE OF INVENTION

METHOD AND DEVICE FOR COORDINATING SEVERAL TYPES OF THERAPY AND THERAPY PROVIDERS INVOLVED IN THE TREATMENT OF PATIENTS

APPLICANT(S) FOR DO/EO/US

BAUER, Karl-Heinz

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4)
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) To be Assigned 10/018310		INTERNATIONAL APPLICATION NO. PCT/DE00/01337		ATTORNEY'S DOCKET NUMBER 12319	
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. \$1000.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ... \$860.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ... \$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	7 - 20 =	0	x \$18.00	\$ 0	
Independent claims	1 - 3 =	0	x \$80.00	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$270.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 860	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$ 860	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0	
TOTAL NATIONAL FEE =				\$ 860	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ 0	
TOTAL FEES ENCLOSED =				\$ 860	
				Amount to be refunded: \$	
				charged: \$	

a. ☒ A check in the amount of \$ 860 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 04-2219 in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.


c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-2219. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO

Orum & Roth
53 West Jackson Boulevard
Chicago, Illinois 60604-3606
USA


 SIGNATURE
 Andrew D. Babcock
 NAME
 44517
 REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
Applicant: BAUER, Karl-Heinz)
Serial No.:)
Based on International PCT)
Patent Application No.: PCT/DE00/01337)
Filed: 28 April 2000)

For: METHOD AND DEVICE FOR COORDINATING SEVERAL TYPES OF THERAPY AND
THERAPY PROVIDERS INVOLVED IN THE TREATMENT OF PATIENTS

Attorney Docket No.: 12319)

PRELIMINARY AMENDMENT

Hon. Commissioner of
Patents and Trademarks
Washington, D.C. 20231

October 30, 2001

Sir:

Please amend the newly submitted patent application described above as follows:

In the Claims:

Please amend the claims as follows:

5. Verfahren nach [einem der vorhergehenden] Ansprüshe 1, dadurch gekennzeichnet, daß die Daten der Patienten betreffend die Kognition, die Emotion, die Motorik, die Therapiearten, die körperliche Verfassung und die Medikamente von einem Zentralcomputer verwaltet, kontrolliert und ausgewertet werden.

AMENDED CLAIMS

5. Verfahren nach Ansprüshe 1, dadurch gekennzeichnet, daß die Daten der Patienten betreffend die Kognition, die Emotion, die Motorik, die Therapiearten, die körperliche Verfassung und die Medikamente von einem Zentralcomputer verwaltet, kontrolliert und ausgewertet werden.

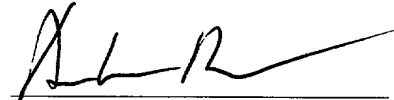
2001-10-30 09:00:00

BAUER, Karl-Heinz
New US National Phase Patent Application
Based on PCT/DE00/01337
30 October 2001
Page 3 of 3

REMARKS:

The foregoing amendments are primarily for the purpose of eliminating multiple dependencies, and placing the claims in proper form.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'A. D. Babock', written over a horizontal line.

Andrew D. Babock
Attorney for Applicant
Registration Number 44517

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TRANSLATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Applicant: Bauer, Karl-Heinz

Serial No.: ...

Based on International PCT
Patent Application No. PCT/DE00/01337

Filed: April 28, 2000

for: METHOD AND DEVICE FOR COORDINATING SEVERAL TYPES OF
THERAPY PROVIDERS INVOLVED IN THE TREATMENT OF PATIENTS

Attorney Docket No. 12319

PRELIMINARY AMENDMENT

Hom. Commissioner of
Patents and Trademarks
Washington D.C. 20231

Sir:

Please amend the newly submitted patent application described
above as follows:

In the Claims:

Please amend the claims as follows:

5. Process according to [one of the preceding (claims)] Claim
1

characterized in that the patients data concerning cognition,
emotion, motoricity, the types of therapy, the physical
constitution and the medications are managed by a central
computer.

PCT World Organization for Intellectual Property,
International Office

INTERNATIONAL APPLICATION PUBLISHED ACCORDING TO THE TREATY ON
INTERNATIONAL COOPERATION IN THE FIELD OF PATENT MATTERS (PCT)

International patent classification G06F 19/00 A2
International publication number: WO 00/67188
International publication date: November 9, 2000 (09/11/00)

International file reference: PCT/DE00/01337
International filing date: April 28, 2000 (28.4.00)
Priority date:
199 19 829.2 April 30, 1999 (30.04.99) Germany

Applicant and inventor: BAUER, Karl-Heinz (DE/CH);
Im Schwizergut 25, CH-8610 Uster (CH)

Attorneys: VOGLER, Silvia, etc.; Wiederhold-str. 10,
D-70174 Stuttgart (Germany)

Destination states: US, European patent (AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, NC,
NL, PT, SE)

Published: without international search report and to be
republished after receipt of the report.

Title: METHOD AND DEVICE FOR COORDINATING SEVERAL TYPES OF
THERAPY AND THERAPY PROVIDERS INVOLVED IN THE TREATMENT
OF PATIENTS.

Abstract

The invention relates to a method and a device for coordinating several types of therapy and therapy providers involved in the treatment of a patient. By means of several computers interconnected via a data network, the data concerning different types of therapy administered by the different therapy providers are exchanged. The types of therapy relate in particular to the areas of cognition, emotion and motoricity.

DIAGRAM [Cf original, and key below]

- A - Tasks
- B - Training and advice for therapy providers
- C - Development of necessary aids
- D - Control and supervision of the therapy providers
- E = Recommendation of specific types of therapy
- F - Central computer
- G - Therapy providers
- H - Out-patient clinic
- I - Day clinic
- J - Psychology or Psychotherapy office
- K - Physician's office
- l - Psychiatrist
- M - Psychotherapy
- N - Dance or Riding therapy
- ... Field circuit (Feldenkreis)

TRANSLATION

WO 00/67188

PCT/DE00/01337

Process and device for the coordination of several types of therapy and therapy providers participating in the treatment of patients

The invention proceeds from a process and a device for the coordination of several types of therapy and therapy providers participating in a treatment of a patient according to the generic term of claim 1 and of claim 6.

For the treatment of patients with anxiety or panic disturbances, with addictive eating behavior, stress or addiction problems, there are known various methods of behavior therapy or of psychoanalysis. Depending on the method of treatment, the patient is treated in a clinic or in a practice. For the treatment there is selected mostly a certain type of therapy and this is used on the patient. It proves disadvantageous with these known processes that the patient does not receive any comprehensive treatment. Since only one type of therapy is applied and the patient is mostly treated by only one therapy provider, the patient frequently receives a one-sided treatment that acts against his illness to a limited extent only. There is the risk of a wrong treatment by reason of a false diagnosis, and the danger of a relapse after termination of the treatment is very high.

1001810 01300

In the face of this, the process of the invention with the characterizing features of claim 1, and the device of the invention with the characterizing features of claim 6, have the advantage that several types of therapy and several therapy providers can be linked with one another. With the therapy providers it can be, for example, a matter of a practice, a clinic, a sports location or a further educational arrangement. First of all the data characteristic of the patient's illness are determined by one or several therapy providers. Diagnosis and therapy can already be interconnected with each other.

First of all the patient goes through his behavior disturbed by illness with a therapist. This plane of thoughts and the behavior resulting therefrom is designated by the term cognition.

With methods of behavior therapy a new behavior is worked out, for example, with self-control exercises. Here there take place habituation processes which are needed by well-directed therapeutic intervention until there is complete reduction of the addictive or disturbed behavior. Via instructions and discussion of what is

experienced there comes about a cognitive restructuring. There, the patient again experiences himself as action-controlling. The behavior therapy methods are used disturbance-specifically. These comprise, for example problem analysis, cognitive processes, relaxation, and the overcoming of stress.

In a further stage of treatment the matters dealt with are the body feeling (Körpergefühl), self-awareness, and own-value regulation of the patient. This plane of body awareness and body experience is designated with the term motoricity (Motorik). For the therapy there are used body-oriented processes such as, for example, (Feldenkrais (sic) Feldenkreis : field-circuit ?), riding therapy or motor-therapy.

In riding therapy, the encountering and dealing with a typical fear-triggering (angstauslösenden) animal, the patient's experience, thinking and acting can be controlled. The horses take over the criticism of faulty behavior otherwise given by the adults and often felt as humiliating. The correction is accepted by the animals without frustration ((?) - frustationsfrei). The animal perceives no faults, cannot yield or make compromises, and it immediately reacts to the corresponding treatment. The patient learns in this manner the direct connection between cause and effect, so that spontaneously and without inner protest he can develop the needed self-control and observe rules. Other types of therapy that address the patient's motoricity are likewise possible.

In a third stage of treatment the patients talk about their problems and their dealing with them. The plane of feelings and the behavior resulting from it are designated with the term emotion. For the therapy there are applied the methods of psychoanalysis. There take place, there, for example under

therapeutic guidance, group-dynamic processes which give the individual an insight into his own personality, since not infrequently mental (seelische) disturbances are present, or even psychic disturbances as well, such as, for example, metabolism disturbances with a psychogenic constituent. A motivation training stabilizes the sought results over a relatively long period of time.

The sequence of these three treatment stages can be chosen in each case according to the indication.

The data pertaining to the different treatment stages, of the patient, of the therapy provider and of the therapy type, are input into a computer and stored. Over an electronic data network these data can be transmitted to all therapy providers participating in the therapy. In this manner the therapy providers can access the data at any arbitrary point of time and plan the therapy

correspondingly. The therapy types can in this way be interconnected with one another, so that the patient undergoes a comprehensive (umfassende) treatment. This is observed not by one therapy provider only, but by several therapy providers interconnected with one another. The danger of a wrong diagnosis and of a wrong treatment associated with it is thereby minimized.

Through the comprehensive treatment which relates not only to one level but to several levels, namely emotion,, cognition and motoricity. the patient receives the possibility of solving the problems caused by the sickness not only temporarily, but over a

relatively long range. The danger of relapses is thereby reduced.

With the process of the invention and the device according to the invention, for example, patients with material or non-material dependency ailments can be treated. Among these are anxiety or panic disturbances, eating problems, for example adiposities, stress, or addiction problems. Also substitution patients and persons whose driver's license has been confiscated on grounds of driving under the influence of liquor or other offenses can subject themselves to such a therapy.

In addition to the above-mentioned types of treatment, further methods can be used according to indication. To these there belong, for example, a treatment with medications, a nutrition counseling program, or hypnosis. According to the patient's wish

or according to indication, a therapy can take place in small groups or in individual treatment. So that all the therapy providers can access the essential data at arbitrary times, there is provided a network of a number of computers corresponding to the therapy providers.

In order to prevent unauthorized access to the data, the computers or the data network must be suitably safeguarded. The various data providers can also be spatially separated. Thus, for example, a clinic can be located in one place and a practice can be located in another place several kilometers away. For this,

for example, ISDN or data teletransmission can be used. The interlinking of the data providers with the aid of an electronic data network makes possible for the first time the cooperation of different therapy providers, and the use of different types of therapy, since otherwise the necessary data cannot be communicated with the necessary speed and security, as well as the necessary precision.

According to a further advantageous mode of execution of the invention, the data regarding the diagnosis, the therapy types, the physical constitution, and the medication are governed, controlled and evaluated over the central computer. In this way the individual therapy providers can be monitored over the central computer. In particular, special types of therapy or medications can be recommended and the therapy results controlled, monitored and compared. The risk of a wrong treatment can therewith be further reduced.

Further advantages and advantageous embodiments of the invention are to be learned from the following specification, the drawing and the claims.

In Fig. 1 there are represented on the left side the tasks worked on and solved by the process and the device, and on the right side various therapy providers. Some of these therapy providers draw up the diagnosis, others cooperate only in the therapy. All the data relating to the diagnosis or the therapy of the patient can be exchanged among therapy providers on the one

hand, and between the central computer and the therapy providers on the other hand. Moreover, the central computer can send recommendations to the therapy providers, or perform an evaluation of the results obtained. It assumes therewith a control function.

Furthermore, over the central computer, training and advising of the therapy providers are coordinated and the necessary resources are made available. To the resources there belong, for example, the software for the management of the data.

All the features represented in the specification, in the following claims and in the drawing can be essential to the invention, both individually and also in arbitrary combination with one another.

In the drawing an example of execution of the invention is described in detail in the following:

Fig. 1 Connection of the central computer with the therapy providers.

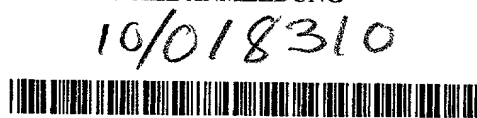
Claims

1. Process for coordinating several types of therapy and the therapy providers participating in the treatment of a patient, characterized by the following process steps:
that the patient's data pertaining to cognition relating to the illness to be treated are stored in a computer and transmitted to the therapy providers over a data network connected to the computer,
that the patient's data pertaining to the emotion relating to the illness to be treated are determined, stored in a computer and transmitted to the therapy providers over a data network connected to the computer.
that the patient's data pertaining to motoricity relating to the illness to be treated are stored in a computer and transmitted to the therapy providers over a data network connected to the computer.
2. Process according to claim 1, characterized in that the therapy types used by the therapy providers relating to cognition, emotion and motoricity are input into a computer, stored, and transmitted to the other therapy providers over a data network connected to the computer.

3. Process according to claim 1 or 2, characterized in that the data pertaining to the patient's physical constitution relating to the illness to be treated are determined, stored in the computer and transmitted to the therapy providers over a data network connected to the computer.
4. Process according to claim 3, characterized in that the therapy types used by the therapy providers relating to the (patient's) physical constitution, and the medications used are input into a computer and transmitted to the other therapy providers over a data network connected to the computer.
5. Process according to claim 1, characterized in that the patient's data relating to cognition, emotion, motoricity, therapy types, physical condition and medications are governed, controlled and evaluated by a central computer.
6. Device for the coordination of several types of therapy and therapy providers participating in a treatment of a patient, characterized in that to all therapy providers computers are provided, and that the computers are interconnected with one another over a data network.
7. Device according to claim 6, characterized in that a central computer is provided for the governing, control and evaluation of the data relating to the patient.

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
9. November 2000 (09.11.2000)

PCT

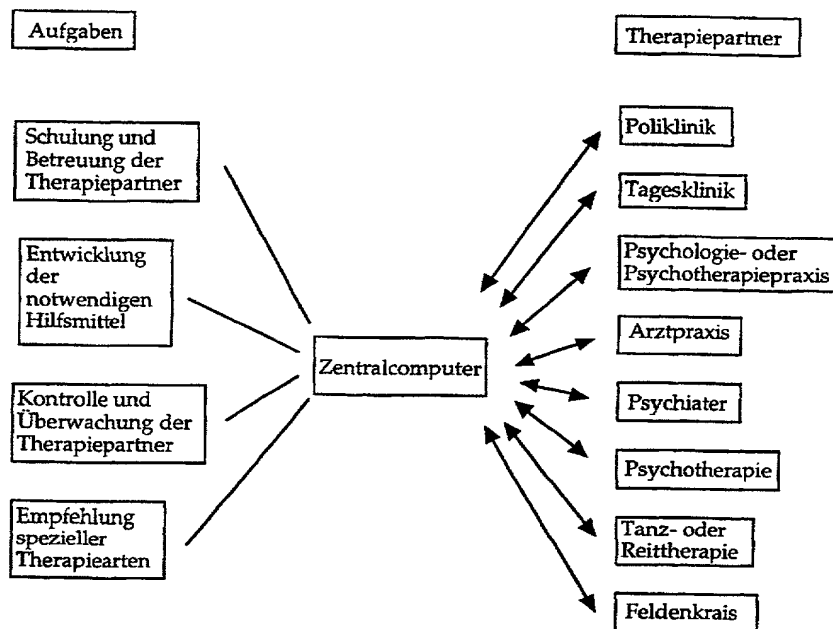
(10) Internationale Veröffentlichungsnummer
WO 00/67188 A3

- (51) Internationale Patentklassifikation⁷: **G06F 19/00** (74) Anwälte: **VOGLER, Silvia** usw.; Wiederholdstrasse 10, D-70174 Stuttgart (DE).
- (21) Internationales Aktenzeichen: **PCT/DE00/01337**
- (22) Internationales Anmeldedatum: **28. April 2000 (28.04.2000)** (81) Bestimmungsstaat (national): **US.**
- (25) Einreichungssprache: **Deutsch** (84) Bestimmungsstaaten (regional): **europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).**
- (26) Veröffentlichungssprache: **Deutsch**
- (30) Angaben zur Priorität: **199 19 829.2 30. April 1999 (30.04.1999) DE** Veröffentlicht: **mit internationalem Recherchenbericht**
- (71) Anmelder und (72) Erfinder: **BAUER, Karl-Heinz [DE/CH]; Im Schwiz-ergut 25, CH-8610 Uster (CH).** (88) Veröffentlichungsdatum des internationalen Recherchenberichts: **11. April 2002**

[Fortsetzung auf der nächsten Seite]

(54) Title: **METHOD AND DEVICE FOR COORDINATING SEVERAL TYPES OF THERAPY AND THERAPY PROVIDERS INVOLVED IN THE TREATMENT OF PATIENTS**

(54) Bezeichnung: **VERFAHREN UND VORRICHTUNG ZUR KOORDINIERUNG MEHRERER AN EINER BEHANDLUNG VON PATIENTEN BETEILIGTER THERAPIEARTEN UND THERAPIEPARTNER**



(57) Abstract: The invention relates to a method and a device for coordinating several types of therapy and therapy providers involved in the treatment of a patient. By means of several computers interconnected via a data network the data concerning different types of therapy administered by the different therapy providers are exchanged. The types of therapy relate in particular to the areas of cognition, emotion and motricity.

[Fortsetzung auf der nächsten Seite]

WO 00/67188 A3

[LEGENDS FOR DIAGRAM, Fig. 1 (Cf original)]

<u>Tasks</u>		<u>Therapy providers</u>
Training and advice for therapy providers		Polyclinic Day clinic
Development of necessary aids	Central Computer	Psychology or psychotherapy office
Control and supervision of the therapy providers		Physician's office
Recommendation of specific types of therapy		Psychiatrist Psychotherapy Field circuit

Fig. 1 - Connection between Central Computer
and the therapy providers

The undersigned, Peter Nelles, certifies that he is conversant with the German and English languages, that he has made the foregoing translation relating to German patent application PCT/DE00/01337 and that said translation to the best of his knowledge and belief is a true and complete rendering into English of the German original.

PETER NELLES

April 9, 2002

ORUM & ROTH
INTELLECTUAL PROPERTY LAW
COMMERCIAL LAW
LITIGATION

53 WEST JACKSON BOULEVARD
 CHICAGO, ILLINOIS 60604-3606 U.S.A.

**DECLARATION FOR UTILITY OR
 DESIGN
 PATENT APPLICATION
 (37 CFR 1.63)**

☐ Declaration
 Submitted with
 Initial Filing

OR

☐ Declaration
 Submitted after
 Initial Filing
 (surcharge (37
 CFR 1.16 (e))
 required)

Attorney Docket Number: 12319

First Named Inventor: BAUER, Karl-Heinz

Application Number: 10/018,310

Filing Date: October 30, 2001

Group Art Unit:

Examiner Name:

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND DEVICE FOR COORDINATING SEVERAL TYPES OF THERAPY AND THERAPY
 PROVIDERS INVOLVED IN THE TREATMENT OF PATIENTS**

(Title of the Invention)

the specification of which



is attached hereto

or



was filed on 30/10/2001 as United States Application Number or PCT International
 (DD/MM/YYYY)

Application Number 10/018,310 and was amended on _____
 (DD/MM/YYYY)

(if applicable).

I hereby state that I reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365 (b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (DD/MM/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO
199 99 829.2	Germany	30/09/1999		No
PCT/DE00/01337	PCT	28/04/2000		No

____ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto:

DECLARATION-----Utility or Design Patent Application

Direct all

correspondence to:

☐Customer Number
or Bar Code Label

OR

☒Correspondence
address below

Name: Orum & Roth

Address: 53 West Jackson Boulevard

City: Chicago

State: IL

Zip: 60604

Country:

Telephone: 312.922.6262

Fax: 312.922-7747

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Given Name
(first and middle [if any])

KARL-HEINZ

Family Name
or Surname:

BAUER

Inventor's
Signature:

Date:

22.01.2002

Residence: City:

Stuttgart

State:

DE

Country:

Germany

Citizenship:

German

Mailing Address:

Büchsenstrasse 15

City:

Stuttgart

State:

Zip:

70173

Country:

Germany

NAME OF SECOND INVENTOR:

☐

A petition has been filed for this undersigned inventor

Given Name
(first and middle [if any])Family Name
or Surname:Inventor's
Signature:

Date:

Residence: City:

State:

Country:

Citizenship:

Mailing Address:

City:

State:

Zip:

Country:

☐ Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) attached hereto.

2002 MAR 23 13:52

1-00